



MATERNAL *and* CHILD HEALTH *Epidemiology*



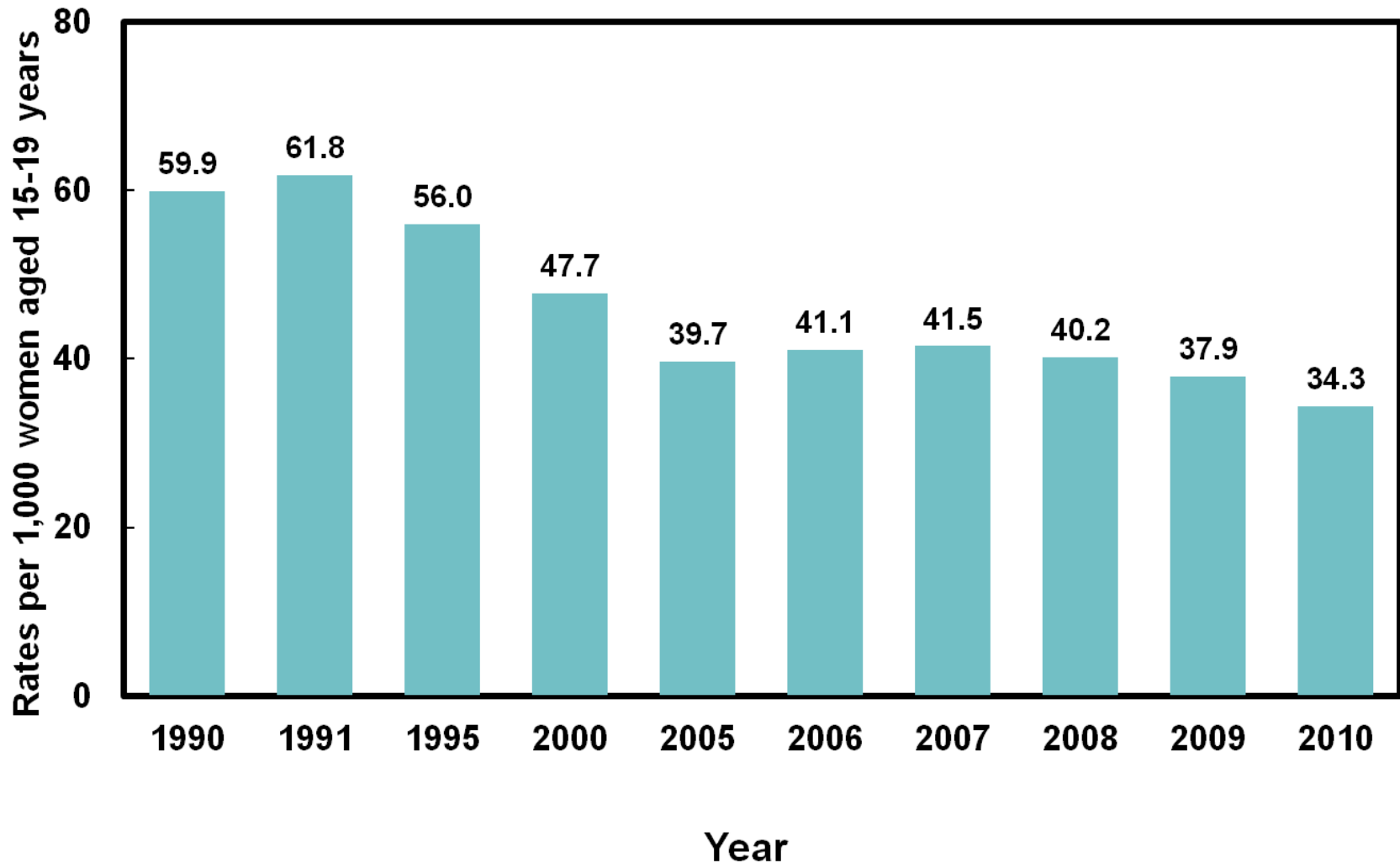
CAPT Wanda D. Barfield, MD, MPH
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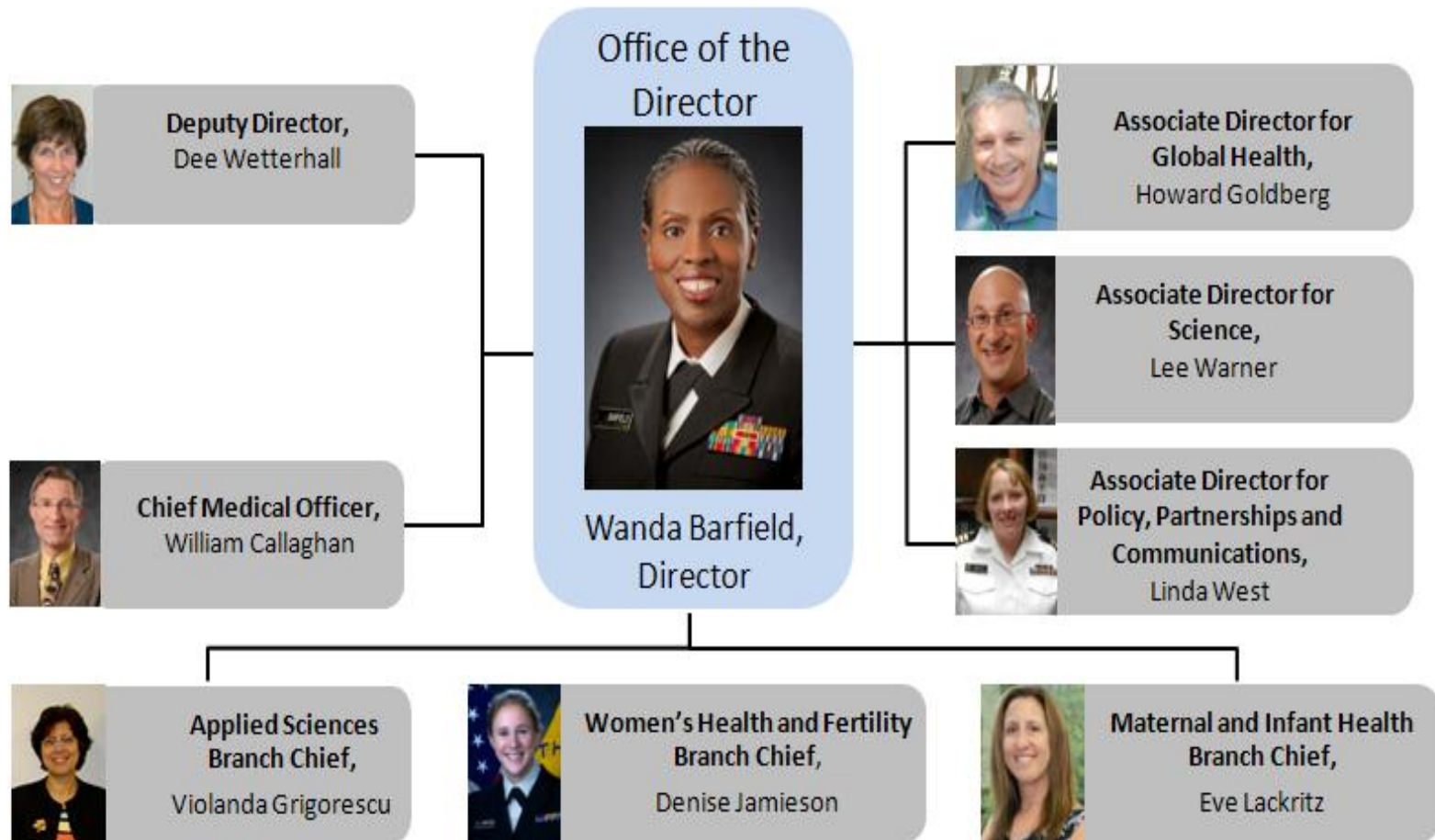


U.S. Teen Birth Rates, 1990-2010

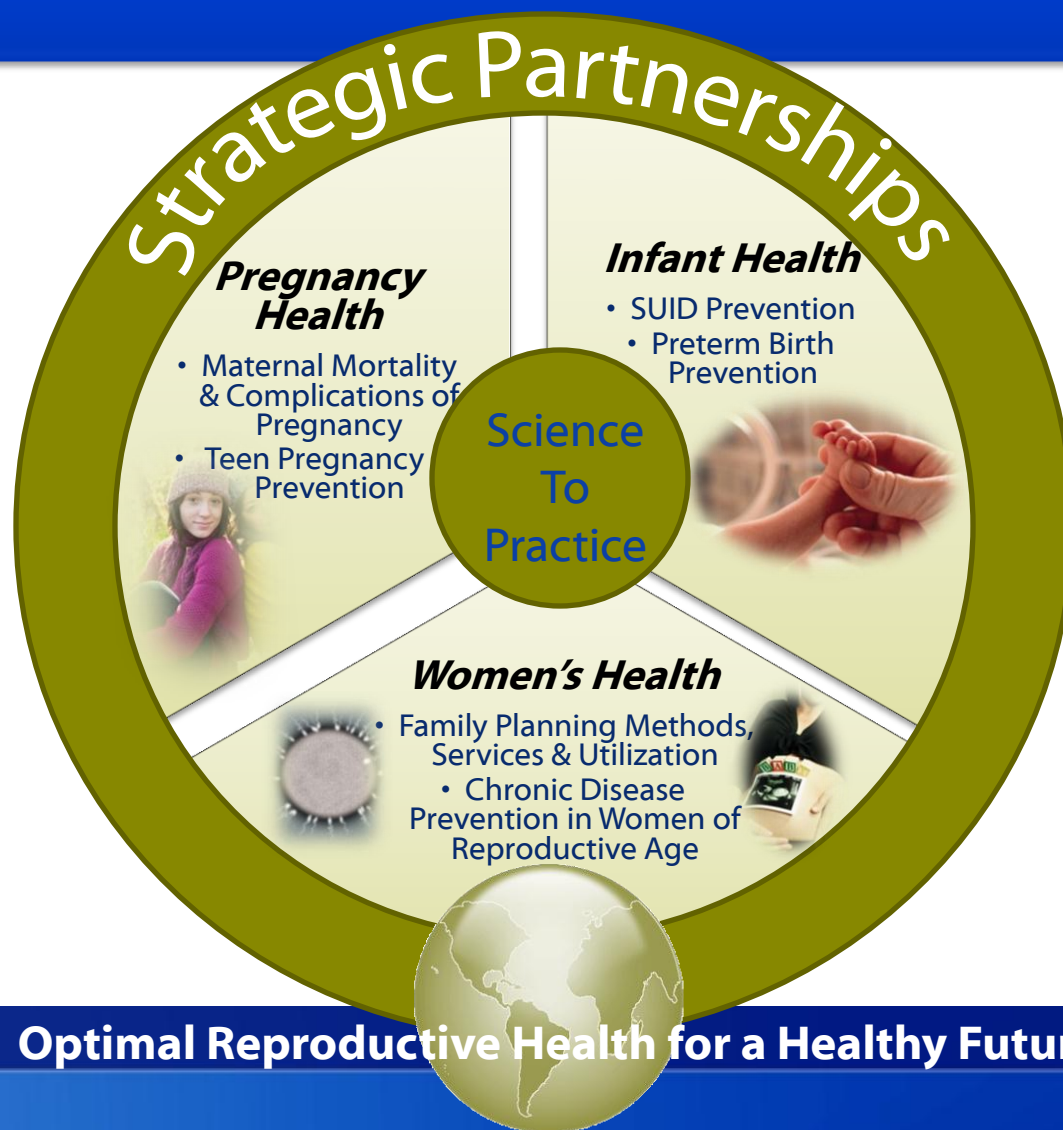


Source: NCHS, 2011

Division of Reproductive Health



Priority Areas



CDC's dedication to Public Health Capacity Building



➤ **Embedding staff to support state and local public health capacity improves effectiveness of CDC programs**

- ✓ Creates better collaboration between CDC and state and local health departments
- ✓ Helps strengthen preparedness capacity of state and local health departments
- ✓ Provides targeted support to improve public health infrastructure
- ✓ Is beneficial to states and CDC
- ✓ Allows states to get free expertise and technical skills
- ✓ Lets CDC gains better understanding of public health implementation on the ground

Develop MCH Epidemiology Leaders



Maternal & Child Health Bureau

**Council of State & Territorial
Epidemiologists
Epidemic Intelligence Service
(EIS) Officers**

**Direct Assistance to
Public Health Agencies**

- State Assignments
- National, State & Regional Training
- Academic Training Grants

**Graduate Student Internship
Program
MCH Training Grantees**

Shine a Light!

- Provide constructive feedback
- Share your challenges
- Share your success stories
 - ✓ Best practices
 - ✓ Effective, evidence-based interventions
 - ✓ Changing practice
 - ✓ Changing policy
 - ✓ Improving outcomes
 - ✓ Making impact



Share Your Accomplishments



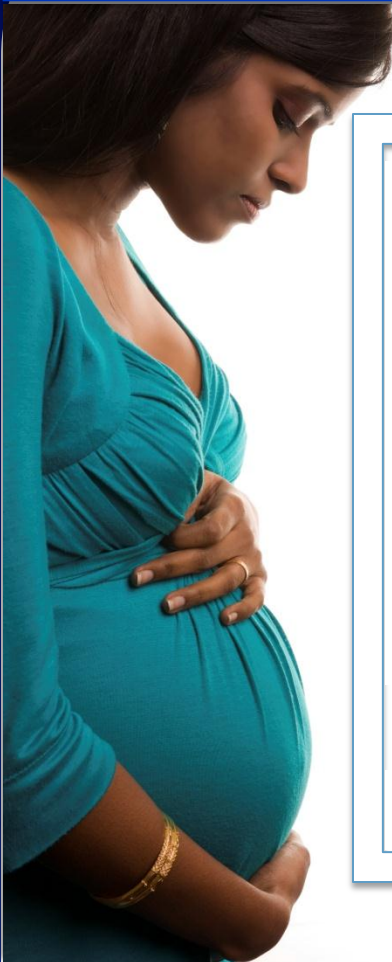


Partnerships



Using Epidemiology to Improve Maternal and Child Health

Thank You



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Centers for Disease Control and Prevention

www.cdc.gov/reproductivehealth

HRSA/MCHB Welcome to the MCH Epidemiology Conference, 2011

US Department of Health and Human Services
Health Resources And Services Administration
Maternal And Child Health Bureau

Michael D. Kogan, PhD
Director, Office of Epidemiology, Policy and Evaluation

The Hitchhiker's Guide to the Galaxy

- Computer: “I’m working out an answer to the Ultimate Question of Life, the Universe and Everything.”
- Philosopher: “You’ll have a national philosopher’s strike on your hands!”
- Computer: “Who would THAT inconvenience?”

**Who would it
inconvenience if MCH
epidemiologists went
on strike?**

The Good News...

Improved Birth Outcomes

- Percent of preterm births in the US declined for the 4th straight year to 11.99% in 2010.
- US low birthweight rate was 8.15% in 2010, slightly lower than the 2006 rate of 8.26%.
- The US infant mortality rate in 2009 was 6.42 per 1,000 live births, about 5% lower than the rate of 6.75 in 2007.

Other Good News

- The birth rate for US teens aged 15-17 years in 2010 declined to 34.3 per 1,000, a record low.
- Life expectancy at birth in the US improved from 2008 to 2009. A child born in 2009 is expected to live 78.2 years.
- In 2009, 83.6% of US children under 18 years enjoyed excellent or very good health, compared with 82.6% of children in 2008.

Still More Good News

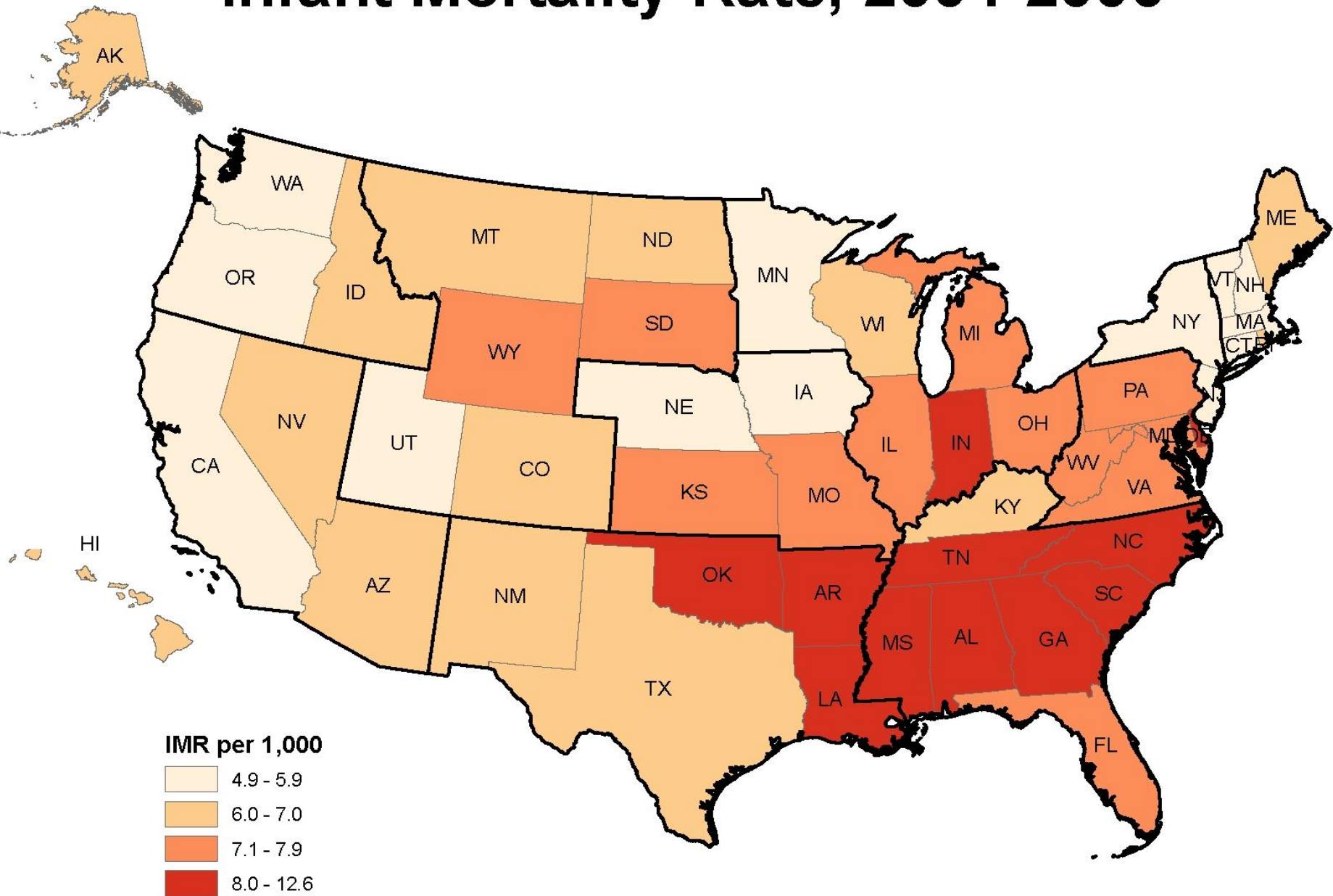
- The cesarean section rate declined for the first time since 1996.
- Reduced vaccine preventable disease
- Newborn screening has increased dramatically in past decade
- Motor vehicle injury for child pedestrians dropped in half

AND YET...

Times are Tough

34

Infant Mortality Rate, 2004-2006



**However, to End on a Good
Note...**

MCHB HAS A NEW DIRECTOR






Key Concepts of the MCH Life- Course Model

- Today's experiences and exposures determine tomorrow's health
- Health trajectories are particularly affected during critical or sensitive periods
- The broader environment – biologic, physical, and social – strongly affects the capacity to be healthy
- Inequality in health reflects more than genetics and personal choice.

2011 National Survey of Children's Health

- To enhance life course and social determinants content;
 - Modifications to existing questions
 - Adding new questions
 - Metrics to measure points along the life course trajectory

The National Survey of Children with Special Health Care Needs

- 40,243 completed interviews
 - Health and functional status
 - Chronic conditions and functional difficulties
 - Access to care, utilization, unmet need
 - Medical home
 - Satisfaction with care
 - Health insurance and adequacy
 - Transition to Adulthood
 - Impact on the family
- 

The MCH Epidemiology Course

- Is scheduled for May 2012

THE CONFERENCE'S KEYNOTE SPEAKER

Dr. Paul Wise

